

CLIPPEDIMAGE= JP360177568A

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TITLE: FUEL CELL POWER GENERATING SYSTEM

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INVENTOR- INFORMATION:

NAME

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APPL-NO: JP59034547

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INT-CL (IPC): H01M008/04

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ABSTRACT:

PURPOSE: To keep phosphoric acid of electrolyte to higher temperature than its freezing point by covering the outer surface of fuel cell main body with heat insulating material and arranging a heater in the fuel cell main body.

CONSTITUTION: Four heaters 7 arranged so as to surround four sides of a cooler
4 are connected in series with a wire 8, and connected to a power source 9
arranged outside a fuel cell main body 5. When the fuel cell 5 is transported or installed, valves 4b and 4c are demounted from a cooling medium supply source, and hot water having a specified temperature is filled and valves 4b and 4c are closed. When the power source is turned on, four heaters are heated and temperature reaches a specified value, and the power source is turned off.
When the temperature inside the fuel cell 5 is decreased with

the time elapsed,
the power source is turned on. Therefore, phosphoric acid
solution is always
kept to higher temperature than its freezing point.

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